

ANNUAL OPERATIONS AND PROGRESS REPORT

From Month/Year Dec. 31, 1984
to Month/Year Dec. 31, 1985

(To be submitted for each mining operation at the end of each calendar year to the Division at this address:)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

OPERATOR: Ideal Basic Industries, Inc. MINE NAME: Devil's Slide

ADDRESS: Auxiliary Route #3
Morgan, Utah 84050

PERMIT NUMBER AND DATE OF PERMIT: ACT/029/001 (Intent to Commence Mining submitted June, 1977, Permit pending)

REPRESENTATIVE: L B Giles, Plant Manager

SECTION(S): 24, 19 TOWNSHIP(S): 4 N RANGE(S): 3E, 4E

MINERAL(S) MINED: Limestone

STATE AND/OR FEDERAL MINERAL LEASE NUMBERS: N.A.

SPECIAL USE PERMITS AND/OR RIGHTS-OF-WAY: N.A.

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.

<u>Disturbance</u>	<u>Acreage</u>
Pit	<u>27.9</u>
Roads	<u>No Change</u>
Facilities	<u>No Change</u>
Waste Dumps	<u>11.0</u>
Other	<u>-</u>

38.9 ACRES
TOTAL

(b) Tabulation of acreage affected to date (by years).

<u>Date by Year</u>	<u>Acreage (Total)</u>	
1975		
1976		
1977	<u>264</u>	Original Notice
1978	<u>270</u>	Requested Amendment (1978)
1979		
1980		
1981		
1982		
1983		
1985	<u>396</u>	Requested Amendment (1985)

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling.

SOIL TABULATION CHART

Area Affected (in mining sequence) (If more space is needed, please attach.)	Area			
	1	2	3	etc.
Acreage of Area	<u>148.5 Ac.</u>			
Depth of Topsoil Removal (inches)	<u>No removable topsoil</u>			
Depth of Topsoil Replacement (inches)*	<u>0</u>			
Estimate of Topsoil Volume Salvaged (yd ³ or ac ft)	<u>0</u>			
Volume Actually Salvaged (yd ³ or ac ft)	<u>0</u>			
Volume Required for Reclamation (yd ³ or ac ft)	<u>0</u>			
Surplus or Deficit Volume (yd ³ or ac ft)	<u>0</u>			
Storage Status (short- or long-term)	<u>N.A.</u>			

Soil Tabulation Chart (continued)

Area Affected (in mining sequence)	Area			
	1	2	3	etc.
Storage Location			N.A.	
Area Where Soil Has Been Used (if not stored)			N.A.	
Running Total (all stockpiles) (yd ³ or ac ft)			N.A.	
Short-term			0	
Long-term			0	

*Of previously stripped area recently reclaimed.

(d) Tabulation of all (newly removed) out-of-pit spoil volumes, date of placement and illustration on a map.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
* Quarry 3	1984-1985	1.1

(e) Tabulation of quantity of commodity mined.

	<u>Commodity</u>	<u>Tonnage</u>
(Mined)	Limestone	530,800 Ton mined & milled
(Milled)	Sandstone	8,200 Ton mined & milled

(f) Description of any new construction during the report period with illustration on a map, including, but not limited to:

- Buildings and support facilities.
None

- Roads.

Only minor temporary road building was done in Quarry #3, these roads are constantly changed or destroyed as mining proceeds.

3. Diversion ditches, collector ditches, interceptor ditches, etc.
None

4. Culverts.
None

5. Sediment ponds, containment ponds.
None

6. Monitoring sites (vegetative, air quality, surface subsidence, surface water or ground water, etc.).
None

7. Topsoil stockpiles.
None

(g) Description of any environmental problem areas with a proposed plan for mitigation and illustration on a map, including, but not limited to:

1. Pit stability problems.
N.A.

2. Subsidence.
N.A.

3. Accidental water discharge, dam failure, etc.

N.A.

4. Slumping, sliding or erosion.

N.A.

5. Revegetation problem areas.

Virtually no top soil - Any revegetation will be slow and spotty.
Currently preparing a long range reclamation plan through Susan Linner -
State Natural Resources Department. Nothing has been finalized at this date.

6. Existence and location of unsuitable (toxic) overburden.

N.A.

RECLAMATION:

(a) Tabulation of the acreage reclaimed during the report period with illustration on a map, distinguishing between:

1. Backfilled, graded and contoured areas.

Area

Acreage

None

2. Topsoiled areas.

Area

Acreage

None

3. Seeded areas.

<u>Area</u>	<u>Acreage</u>
None	

4. Reseeded areas (areas previously seeded, then seeded again).

<u>Area</u>	<u>Acreage</u>
None	

(b) Tabulation of total acreage reclaimed (seeded with permanent seed mix) to date by years with illustration on an updated map:

<u>Year</u>	<u>Acreage</u>
1975	
1976	
1977	
1978	
1979	
1980	
1981	
1982	
1983	
1984	None

(c) Description of the reclamation procedures used during the report period, including:

- Average depth of topsoil applied.
N.A.

- Type of seed (species) used for seeding during the report period.
N.A. Disturbed areas still considered active

3. Date of seeding during the report period.

Spring N.A.

Fall

4. Seeding procedures used.

(Hand broadcast or drilled or any other).

N.A.

5. Rate of seed application.

Pounds Per Acre of Pure Live Seed (PLS) (if varied, please explain)

N.A.

6. Type and rate of fertilizer applied.

N.A.

7. Type and rate of mulch applied.

N.A.

8. Rate of irrigation water applied, if any. Please describe any type of sprinkling, or water applied (water truck, etc.).

N.A.

9. Revegetation test plot information.

(Cover, density, productivity, etc.)

Information in this area will be made a part of Reclamation
Program as it is finalized. Working with Morgan County S.C.S office to
develop this information. Nothing finalized to date.

10. Soil analysis results.

*

See #9

(d) Description of results of previous revegetation efforts, including:
(This should be done as applicable.)

1. Types (species) of seed that have germinated and are growing.

N.A.

2. Types (species) of seed that are not growing successfully.

N.A.

3. Areas experiencing problems with weeds and weed types.

N.A.

4. Significant erosional problems.

N.A.

5. Areas of unsuitable overburden on the surface as related to
revegetation failure.

N.A.

6. Procedures used or proposed to correct these problems.

N.A.

7. Acreage and dates of release (upon inspection by the State) of revegetated areas.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
N.A.		

8. Results of soil analysis.
N.A.

(e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis.

	<u>Acres</u>	<u>Cost/Acre</u>
1. Grading	N.A.	
2. Backfilling		
3. Contouring		
4. Topsoil Replacement		
5. Seeding		
A. Seedbed Preparation		
B. Mulch		
C. Fertilizer		
D. Seed		
6. Other		

BOND INFORMATION:

- A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included.

	<u>Amount</u>	<u>Type</u>	<u>Date Posted</u>
Present Bond	N.A.		

Increased disturbance, if any:

1985 disturbance increased by 2.8 Ac.

Increased Bond Amount (attached reclamation estimate).

B. Bond release.

<u>Acres</u>	<u>Bond Amount Released</u>	<u>Date</u>
N.A.	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to:

- (a) Permit stipulations (status).
- (b) Other special conditions (status).

Report Prepared By:

Ideal Basic Industries
Devil's Slide Utah Plant
Auxiliary Route No. 3
Morgan, Utah 84050
Tel. 801-829-3421

APPENDIX I

ANNUAL REPORT MAPS

1. Maps must be clear and legible contour maps or recent aerial photos. The scale should be 1 inch = 500 feet to adequately show topographic features.
2. Map sheets should be of a reasonable size, not to exceed 48 inches on a side.
3. Maps must have a title block with:
 - A. Map title.
 - B. Name and address of permittee.
 - C. Permit and amendment numbers.
 - D. Annual report period.
 - E. Scale, north arrow, contour interval, date of photography, etc.
4. All maps must show:
 - A. Legal subdivisions.
 - B. Permit area boundary clearly shown and labelled.
 - C. Amendment areas clearly shown and labelled.
 - D. Contour features.
5. The following features should all be clearly identified:
 - A. Topsoil stockpiles (numbered and with volumes).
 - B. Settling ponds and sediment control structures.
 - C. Haul roads.
 - D. Pits identified by location, name, number, etc.
 - E. Ramps (numbered).
 - F. Out-of-pit spoil dumps.
 - G. All waste disposal sites including, but not limited to:
 1. Landfill sites.
 2. Carbonaceous waste dumps.
 - H. Diversion ditches.
 - I. Monitoring sites.
6. All areas to be affected by mining and reclamation in the coming year should be outlined and labelled.

File
ACT/045/012
and
ACT/029/001
Copy to Lowell
Wage: FYI

Ideal Basic Industries
Cement Division

Exploration Department
P.O. Box 1949
Fort Collins, Colorado 80522
303 482 5603
303 482 5608

March 12, 1985

IDEAL

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RECEIVED

MAR 14 1985

**DIVISION OF OIL
GAS & MINING**

Attn: Mr. Ronald W. Daniels

Dear Mr. Daniels:

Enclosed are the Annual Operations and Progress Reports, MR Form 3 (Rev. 1984) for Ideal's Poverty Point and Devil's Slide operations.

The Poverty Point (ACT/045/012) report covers operations for the 1984 calendar year. In compliance with the permit requirement that the bond be annually revised by a 13 percent inflation factor, an Increase Endorsement from \$12,600 to \$13,900 was forwarded to your office by letter dated January 8, 1985. This bond is for a total of 20 acres of disturbed land and access roads. Present disturbed area is 7.2 acres, with 9 acres of access roads.

The Devil's Slide (ACT/029/001, permit pending) report covers operations for the period 1977 through 1984, per your instructions. Included in this report is a request for amendment to our 1977 Notice of Intent to Commence Mining Operation. The purpose of this requested amendment is to increase the affected acreage to 396 acres from the originally requested 264 acres, amended in 1978 to 270 acres. It is anticipated that there will be no need for further increases in acreage on this permit for the life of the operation.

If you have any questions or need any further information, please do not hesitate to call me.

Sincerely,

Paul E. Thomsen

P. E. Thomsen
Sr. Mining Engineer

PET:jep

Enclosures